

are due in connection with the filing of this paper. Should, however, the Office require any extensions of time or other fees deemed necessary for entry of this paper, please consider this paragraph such a request and authorization for the Assistant Commissioner to withdraw the appropriate fee under 37 C.F.R. §§ 1.16 to 1.21 from Williams, Morgan & Amerson, P.C. Deposit Account No. 50-0786/2000.065900. Reconsideration of the application in view of the following amendments and remarks is respectfully requested.

AMENDMENT

A "marked-up" version of the claims appears in Appendix A at the conclusion of this response.

IN THE CLAIMS:

Please amend claims 1, 4, and 18 as follows.

- 5/20/17
1. (Twice Amended) An electrostatic discharge (ESD) protection network, comprising:
- an inductor having a plurality of turns in the shape of a coil, the plurality of turns having an inductance; and
 - a plurality of electrostatic discharge (ESD) clamp devices, each one of said plurality of ESD clamp devices having a parasitic capacitance, said plurality of ESD clamp devices being connected to a corresponding one of said plurality of turns of said inductor, the inductance of said turns and the parasitic capacitance of said ESD clamp devices thereby forming a low pass filter.

C1
4. (Amended) An integrated circuit apparatus having an electrostatic discharge (ESD) protection network, said apparatus comprising:

B2
an integrated circuit substrate;

a first insulation layer over a face of said integrated circuit substrate;

a plurality of conductive layers, each of the plurality of conductive layers in the shape of a coil turn, the coil turn having a first and second end;

a plurality of insulation layers interleaved between the plurality of conductive layers;

a one of said plurality of conductive layers proximate to said first insulation layer and the other ones of said plurality of conductive layers stacked over the one with said plurality of insulation layers interleaved therebetween;

a plurality of vias in the plurality of insulation layers, the plurality of vias connecting adjacent ones of the coil turns of said plurality of conductive layers, thereby forming an inductor coil; and

a plurality of electrostatic discharge (ESD) clamp devices, each one of said plurality of ESD clamp devices having a parasitic capacitance, said plurality of ESD clamp devices being connected to a corresponding one of the coil turns of said plurality of conductive layers, thereby forming a low pass filter.

C1
B3
18. (Amended) A method for providing an electrostatic discharge (ESD) protection network, comprising:

forming a plurality of conductive layers and a plurality of insulation layers, wherein said plurality of conductive layers and said plurality of insulation layers are

B3
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interleaved, wherein each of the conductive layers is formed in the shape of a coil turn having an inductance such that each of the coil turns has a first and a second end;
forming a plurality of vias in said plurality of insulation layers, the plurality of vias being located between the ends of adjacent coil turns wherein conductive material is formed in said plurality of vias thereby connecting the first end of one coil turn to the second end of the adjacent coil turn;
providing a plurality of electrostatic discharge (ESD) clamp devices, each one of said plurality of ESD clamp devices having a parasitic capacitance; and
connecting said plurality of ESD clamp devices to a corresponding one of the coil turns of said plurality of conductive layers, thereby forming a low pass filter.
